

APPLIANCE END FITTING

ABSTRACT OF THE DISCLOSURE

An appliance end fitting for connecting a gas operated appliance to a pressurized gas cylinder includes a simplified interior valve that acts as both a thermal valve and an excess flow control valve. The end fitting has an elongated body formed in two telescoping sections, an inner section, and an outer section. An interior opening extends through both sections and includes an enlarged center portion. A floating valve member in the center portion is movable toward a valve seat at an outer end of the center section. A spring urges the valve member away from the valve seat but excessive gas flow moves the valve member toward the valve seat and restricts the valve. The two sections of the body are held in an extended axial position by a heat activated material, such as fusible solder, where the nipple opens the cylinder shutoff valve when the body is connected to the cylinder outlet. Excessive heat releases the heat activated material and causes the body sections to collapse to a retracted position, where the shutoff valve is permitted to close. At the same time, the stem of the inner section engages and closes the interior valve in the end fitting.